

4-23-01

0280

OIPE

#4158
10/16/02

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/815,979

DATE: 04/06/2001
 TIME: 10:34:36

Input Set : A:\416seq.001
 Output Set: N:\CRF3\04062001\I815979.raw

ENTERED

```

3 <110> APPLICANT: de Jong, Gary
4     Vandebyl, Sandra
5     Perez, Carl
6     Hoekstra, Richard
7     Volker, Oberle
9 <120> TITLE OF INVENTION: METHODS FOR DELIVERING NUCLEIC ACID
10    MOLECULES INTO CELLS AND ASSESSMENT THEREOF
13 <130> FILE REFERENCE: 24601-416
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/815,979
C--> 16 <141> CURRENT FILING DATE: 2001-03-22
18 <160> NUMBER OF SEQ ID NOS: 13
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 24
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Primer
30 <400> SEQUENCE: 1
31 cgtccaggag cgccaccatct tctt                                         24
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 24
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Primer
41 <400> SEQUENCE: 2
42 atcgcgcttc tcgttgggt cttt                                         24
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 30
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Primer
52 <400> SEQUENCE: 3
53 aggactgggt ggcttccaac tcccagacac                                     30
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 30
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Primer
63 <400> SEQUENCE: 4
64 agcttctcat tgctgcgcgc caggttcagg                                     30
66 <210> SEQ ID NO: 5
67 <211> LENGTH: 22118
68 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/815,979

DATE: 04/06/2001

TIME: 10:34:36

Input Set : A:\416seq.001

Output Set: N:\CRF3\04062001\I815979.raw

69 <213> ORGANISM: *Mus musculus*

71 <400> SEQUENCE: 5

72	gaattccccct	atccctaatac	cagattgggt	gaataactt	gtagatgt	tttgccatta	60
73	aaaaccctgt	aggatctca	ctctaggta	ctgttcagca	ctggaaacct	aattgtggcc	120
74	ctgagtata	ggcctggga	catatgcagt	tctgcacaga	cagacagaca	gacagacaga	180
75	cagacagaca	gacagacgtt	acaaacaaac	acgttgagcc	gtgtccaaac	acacacacaa	240
76	acaccactct	ggccataatt	attgaggacg	ttgatttatt	attctgtgtt	tgtgagtcg	300
77	tctgtctgtc	tgtctgtctg	tctgtctgtc	tatcaaacca	aaagaaaacca	aacaattatg	360
78	cctgcctgcc	tgcctgcctg	cctacacaga	gaaatgattt	cttcaatcaa	tctaaaacga	420
79	cctcctaagt	ttgccttttt	tcttttttt	tatcttttc	ttttttctt	tcttcttcct	480
80	tccttccttc	cttccttcct	tccttcctt	ctttctttct	ttctttcttt	cttactttct	540
81	ttcttcctt	cttacattt	ttctttcat	acatagttt	tttagtgaag	catccctgac	600
82	tgtcttgaag	acactttgt	ggcctcaatc	ctgtaaagac	cttcctctgc	tttcaatg	660
83	ctggcatgaa	tgttgtacct	cactatgacc	agcttagtct	tcaagtctga	gttactggaa	720
84	aggagttcca	agaagactgg	tttatatttt	catttattat	tgcattttaa	ttaaaattta	780
85	atttcaccaa	aagaatttag	actgaccaat	tcagagtcg	cggtttaaaa	gcataaggaa	840
86	aaagtaggag	aaaaacgtga	ggctgtctgt	ggatggtcga	ggctgcittt	gggagcctcg	900
87	tcaccattct	gcacttgc	accgggcccac	tagaacccgg	tgaagggaga	aaccaaagcg	960
88	acctggaaac	aataggtcac	atgaaggcca	gccacctcca	tcttgggtgt	cgggagttca	1020
89	gttagcagac	aagatggctg	ccatgcacat	gttgtcttc	agcttggtga	ggtcaaaagta	1080
90	caaccgagtc	acagaacaag	gaagtataca	cagttagttc	caggtcagcc	agagtttaca	1140
91	cagagaaacc	acatcttga	aaaaacaaaaa	aaataaatta	aataaaatata	atttaaaaat	1200
92	ttaaaaatag	ccgggagtg	tggcgcatgt	ctttaatccc	agctctttc	aggcagagat	1260
93	gggaggattt	ctgagttga	ggccagcctg	gtctgcaaag	tgaattccag	gacagtccagg	1320
94	gctatacaga	gaaaccctgt	cttggaaaact	aaactaaatt	aaactaaact	aaactaaaaaa	1380
95	aatataaaaat	aaaaattttt	aagaattttt	aaaaactaca	gaaatcaaac	ataagcccac	1440
96	gagatggcaa	gtactgc	atcatagcaga	aatattatac	acacacacac	acacagactc	1500
97	tgtcataaaaa	tccaatgtc	cttcatgtat	atcaaattt	gatagtca	aataactagaa	1560
98	gaatcatatg	tctgaaaata	aaagccagaa	ctttttctgc	ttttgtttt	ttttgccccca	1620
99	agatagggtt	tctctcagtg	tatccctggc	atccctgcct	ggaacttctt	ttgttaggttt	1680
100	gttagcctca	aactcagaga	ggtcctctct	gcctgcctgc	ctgcctgcct	gcctgcctgc	1740
101	ctgcctgcct	gcctgcctca	cttcttctgc	cacccacaca	accgagtcga	accttaggatc	1800
102	tttatttctt	tctcttctc	tcttcttct	ttctttctt	cttctttctt	ttctttcttt	1860
103	cttctttctt	ttcttattca	attagttt	aatgtaaatg	tgtgtttgt	ctctatctgc	1920
104	tgccatatagg	cctgtttgcc	aggagagggc	aacagaacct	aggagaaacc	accatgcacg	1980
105	tcctgagaat	aagtggaaaaa	acaacaaaaaa	aaggaaattt	taatcacata	gaatgttagat	2040
106	atatgccgag	gctgtcagag	tgctttttaa	ggcttagtgt	aagtaatgaa	aattgttgt	2100
107	tgtcttttat	ccaaacacag	aagagaggt	gctcgccctg	catgtctgtt	gtctgcatgt	2160
108	agaccaggct	ggccttgaac	acattaaatct	gtctgcctct	gctccctaa	tgctgcgatt	2220
109	aaaggcatgt	gccaccactg	ccggactga	tttcttctt	ttttttttt	tggaaaatac	2280
110	cttctttctt	ttttctctct	cttcttctt	cttccttctt	ttctttctat	tctttttt	2340
111	tttctttttt	ttttttttt	ttttttttaa	aatttgctt	agttaaagg	tgtgtccac	2400
112	aattgcctca	gctctgc	attctcttt	aaaaaaaaac	aaacaaaaaa	aaaaccaaaa	2460
113	cagatgtat	gtatgtat	ttagaagaaa	tactaatcca	ttaataactc	ttttttctta	2520
114	aaattcatgt	cattctgtt	ccacaaatgt	agttccagga	cttaccagag	aaacocgttg	2580
115	ttcaaattt	tgtgttcaag	gtcacccctgg	cttacaaagt	gagttccaag	tccgataggg	2640
116	ctacacagaa	aaaccatatac	tcagaaaaaaa	aaaaagg	aaacacacac	acacacacac	2700
117	acacacacac	acacacacac	acacacacac	acacacacag	cgcgcgcgg	cgtatgagggg	2760
118	aagtctgc	taaaataaaat	attttctgg	ccaaagtga	agcaaatac	tatqaaqagg	2820

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/815,979

DATE: 04/06/2001

TIME: 10:34:36

Input Set : A:\416seq.001

Output Set: N:\CRF3\04062001\I815979.raw

119 tactcctaga	aaaaataaaat	acaaaacgggc	tttttaatca	ttccagca	ct gtttaattt	2880
120 aactctgaat	ttagtcttgg	aaaagggggc	gggtgtgggt	gagtgagggc	gagcgagcag	2940
121 acgggcgggc	gggcgggtga	gtggccggcg	gcgggtggcag	cgagcaccag	aaaacaacaa	3000
122 accccaagcg	gttagagtgtt	ttaaaaatga	gacctaaatg	tggtgaaacg	gaggtcgccg	3060
123 ccaccctcct	cttccactgc	ttagatgctc	ccttcccctt	actgtgtc	cccttccctaa	3120
124 ctgtgcctaa	ctgtgcctgt	tccctcaccc	cgctgattcg	ccagcgacgt	actttgactt	3180
125 caagaacgat	tttgccgtt	ttcaccgctc	cctgtcatac	tttcgttttt	gggtgcccga	3240
126 gtctagcccg	ttcgctatgt	tcggcgggaa	cgatggggac	cgtttgtgcc	actcgggaga	3300
127 agtgtgggt	gggtacgctg	ctccgtcg	cgtgcgtgag	tgccggaaacc	ttagctcggg	3360
128 agaccctccg	gagagacaga	atgagtgagt	gaatgtggcg	gcgcgtgacg	gatctgtatt	3420
129 gtttgtatg	gttgcacgag	accattgtcg	ggcgcacacct	agtggtgaca	agtttcggga	3480
130 acgctccagg	cctctcaggt	tggtgcacaca	ggagagggaa	gtgcctgtgg	tgaggcgacc	3540
131 agggtgacag	gaggccggc	aagcaggcg	gagcgtctcg	gagatgggt	cgtgttaag	3600
132 gacggtctc	aacaaggagg	tcgtacaggg	agatggccaa	agcagaccga	gttgcgttac	3660
133 gcccctttgg	gaaaaatgtc	agggttggt	gcaacgttac	taggtcgacc	agaaggctta	3720
134 agtcctaccc	ccccccccct	tttttttttt	tttcctccag	aagccctctc	ttgtccccgt	3780
135 caccgggggc	accgtacatc	tgaggccgag	aggacgcgt	gggcccggct	tccaagccgg	3840
136 tgtggctcgg	ccagctggcg	cttcgggtct	tttttttttt	tttttttttt	tttccttcca	3900
137 gaagccttgt	ctgtgcgtgt	caccgggggc	gctgtacttc	tgaggccgag	aggacgcgtat	3960
138 gggcccccgc	ttccaagccg	gtgtggctcg	gccagctgga	gttcgggtc	tttttttttt	4020
139 tttttttttt	tttttttctc	cagaagcctt	gtctgtcg	gtcaccgggg	gcgcgtgtact	4080
140 tctgaggccg	agagacgcg	atgggtcg	ttccaagccg	atgtggcg	gccagctgga	4140
141 gttcgggtt	ttttttttc	ctccagaagc	cctctcttgc	ccccgtcacc	ggggccgcgt	4200
142 tacttctgag	gccgagagga	cgtgatggc	ccgggttcca	ggcggatgtc	gcccggcgt	4260
143 ctggagctt	ggatcttttt	ttttttttt	cctccagaag	ccctctcttgc	tcccgtc	4320
144 cggggggcacc	ttacatctga	gggcgagagg	acgtgatgg	tccggcttcc	aagccgtat	4380
145 ggcggggcaca	gctggagctt	cggttttttt	tttttcctc	cagaagccct	ctttgtccc	4440
146 cgtcaccggg	ggcgctgtac	ttctgaggcc	gagaggacgt	gatggggcc	gttccaggc	4500
147 ggatgtcgcc	cggtcagctg	gagctttgg	tcattttttt	ttttccctcc	agaagccctc	4560
148 ttttgtcccc	gtcaccgggg	gcaccgtaca	tctgaggcc	agaggacacg	atgggcgt	4620
149 cttccaagcc	gatgtggccc	ggccagctgg	agcttcgggt	ttttttttt	tttttcctc	4680
150 cagaagcctt	gtctgtcg	gtcaccgggg	gcgcgtgtact	tctgaggcc	agaggacgcg	4740
151 atggggcccg	tttccaagcc	ggtgtggctc	ggccagctgg	agttcgggt	ttttttttt	4800
152 tttttttttt	ttccctccaga	aaccttgtt	gtcgtgtca	ccccggggc	ttgtacttct	4860
153 gatgccgaga	ggacgcgt	ggcccgctt	ccagccgt	gtggcccggt	cagctggac	4920
154 ttggatctt	ttttttttt	tttccttcca	gaagccctt	ttgtccccgt	tcaccgggg	4980
155 caccttacat	ctgaggccta	gaggacacga	tggccgggg	ttccaggcc	atgtggcccg	5040
156 gtcagctgga	gtttggatc	ttttttttt	tttccttcca	gaagccctt	tgtccccgt	5100
157 accgggtggca	ctgtacatct	gaggcggaga	ggacattatg	ggcccggtt	ccaatccgt	5160
158 gtggcccggt	cagctggagc	tttggatctt	atttttttt	taatttttc	ttccagaagc	5220
159 cctttgttcc	ctgtcaccgg	tggcacggta	catctgaggc	cgagaggaca	ttatggccc	5280
160 ggcttccagg	ccgatgtggc	ccggtcagct	ggagctttgg	atttttttt	tttttttct	5340
161 ttttccttcc	agaagccctc	tctgtccctg	tcaccgggg	ccctgtacgt	ctgaggccga	5400
162 gggaaagcta	tgggcgggt	tttcttcat	tgacctgtcg	gtcttatcag	ttctccgggt	5460
163 tgtcagggtc	gaccagtgt	ttcttggagg	tccggttctt	ttcggtatgg	ggtcattttt	5520
164 gggccaccc	cccaggtatg	acttccaggc	gtcgttgc	gcctgtact	ttccctccgt	5580
165 tctttttat	gttgcacgt	ttttctatct	gttcttattg	gacctggaga	tagtactga	5640
166 cacgctgtcc	ttcccttatt	aacactaaag	gacactataa	agagaccctt	tcgatttaag	5700
167 gctttttgc	ttgtccagcc	tattttttt	actggcttgg	gtctgtcg	gtgcctgaag	5760

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/815,979

DATE: 04/06/2001

TIME: 10:34:36

Input Set : A:\416seq.001

Output Set: N:\CRF3\04062001\I815979.raw

168	ctgtccccga	gccacgcttc	ctgtttccc	ggcgttgcgt	cttcgtgtgt	cttcgtgtgg	5820
169	gcagcttgt	acaactgggc	gctgtgaccc	tgcgtcggt	cagacgtttt	tcccgatttc	5880
170	cccgagggtt	cgttgtcaca	cctgtcccg	ttggaaatgg	ggagccagct	gtgtttgagg	5940
171	gccacccat	ttccggctac	ttttttttt	tttttttctc	ttggagatccc	gaacctccgc	6000
172	tcttttctc	tcccggctt	tcttccacat	gcctcccgag	tgcatttctt	tttgggggg	6060
173	ttctttttt	ttttttttt	ttggggaggt	ggagagatccc	gagtaactca	ctccgtctg	6120
174	tggtgtccaa	gtgttcatgc	cacgtgcctc	ccgagtgac	ttttttttgt	ggcagtcgct	6180
175	cgttgttttc	tcttggctg	tgtctgccc	tatcagtaac	tgtctgccc	cgctgttaag	6240
176	acattccat	ctcgcttgc	tctcccgatt	gcmcgtcg	gctcaactt	agatcgatgt	6300
177	ggtgctccgg	agttctcttc	ggggcagggc	caagccgcgc	caggcggaggg	acggacattc	6360
178	atggcgaatg	gcggccgc	ttctcggtct	gccagcgggc	cctcgctct	ccaccccatc	6420
179	cgtctgccc	tgggtgtgg	aaggcagggg	tgccgctctc	cggcccgac	ctggcccgcg	6480
180	cgcactttc	tcagtggttc	gcgtggctc	tgtggatgtg	tgaggcgccc	ggttgtgccc	6540
181	tcacgtgtt	cacttggtc	gtgtctcgct	tgaccatgtt	cccagagtc	gtggatgtgg	6600
182	ccggtggcgt	tgcataaccct	tcccgtctgg	tgtgtgcac	cgctgttttct	tgtaagcgctc	6660
183	gaggtgctcc	tggagcgttc	cagggttgc	tccttaggtgc	ctgcttctga	gctgggtgg	6720
184	gcgcgtcccc	ttccctgggt	tgccctccgg	gctccgtctg	gctgtgtgcc	ttcccggttt	6780
185	tgtctgagaa	gcccgtgaga	gggggggtcg	ggagagaagg	aggggcaaga	ccccccctct	6840
186	tcgtcgggtt	aggcgcac	cccgcgacta	gtacgcctgt	gcgttagggct	gggtgtgagc	6900
187	ggtcgcggct	gggggtggaa	agtttctcg	gagactcatt	gctttcccg	ggggagcttt	6960
188	gagaggccgt	gcttcgggg	gggaccgg	gcagggctc	ccctgtccgc	ggatgctcag	7020
189	aatgccttg	gaagagaacc	ttcctgttgc	cgcagacccc	cccgcgcgg	cgcccgcg	7080
190	ttggtcttct	ggttccctg	tgtgtcg	gcatgcattc	tctctcg	gccccggctc	7140
191	gtcggggtt	tgggtccgtc	ccgcctc	tgagaaatgtt	tcctctcta	gctatcttcc	7200
192	ggaaagggtt	cgggttctt	acggtctcg	gggtctctc	ccgaatgtc	ccctggaggg	7260
193	ctcgccccct	gaccgcctcc	cgcgcgcgc	gcgttgc	tctcg	tcacccgc	7320
194	gcgcgtcccc	ctccgagttc	ggggaggat	cacgcgggc	agagcgtc	tgtcgctcg	7380
195	ccgttgcgtc	ggagcatgt	gctcggtt	tgtgggtgt	ggtggggag	aggctccgt	7440
196	gcacaccc	gcgtgcgcgt	acttcc	cctctgagg	ccgcgcgtc	ggacgggg	7500
197	tgggttaggg	acggtgggt	ccgggtccc	cacccgtt	cccg	gcctc	7560
198	tccgtcg	gcgtccctc	cgctcg	cacgactt	gcccgtcc	cgacggcg	7620
199	ctgcgcgc	cgtgggtcg	gctgtgt	tctcg	tgtgggtgt	tcgcctcg	7680
200	cccccccttc	cgccgcagcg	ttcccacgg	tggc	gaaatc	gcccgtcc	7740
201	cctcggggtc	gagagggtcc	gtgtctgg	ttgattgatc	tcgc	tcgg	7800
202	tttctgtgg	agaacgggt	ttggccgt	ccggcgc	gtcg	gacgt	7860
203	ccgcgtcg	ggtctcg	ggtaggatc	ggtgtgt	catcg	tctcg	7920
204	cggtgtcg	tcctcggt	cccg	gggtgt	ccgg	cgctgc	7980
205	gtgtgtgg	gactgtc	gggagtgg	cagtgt	ccgc	ccgg	8040
206	tccctgacc	ggtccgc	ccgagcg	tctcg	ttgt	gaggac	8100
207	gagggcccg	tttccgc	cottgcgt	gtccgc	ctcg	tgtgtcg	8160
208	ccccctcccc	gtcgccgca	ccgcgtt	tttctct	ccccccct	cctcgact	8220
209	acccgtggcc	gtgtgtcg	acccccc	tggggccgc	ccggc	acgt	8280
210	cggtcaccc	ggtcttgg	ggggcccg	ggtaaaaa	gtcg	gtcg	8340
211	gagctgtgtt	ttggaggg	tcccgcccc	ccggccgtgg	cggtgtt	cggtgt	8400
212	gagagggt	cgtgcgaggg	aaaaagg	ccccgcg	gcaaagg	agaggct	8460
213	agtggtcatt	gtccgcacgg	tgtgtgt	tgtggcc	ggtgcgt	ggggctcg	8520
214	ccggccctgt	cgtccgtcg	gaaggcgcgt	gttgggg	ccggag	cgagg	8580
215	accctggcgg	tggattaac	cccg	ccgcgcgc	tgtcccgt	tggcgtgg	8640
216	gatgtctacc	tccctctcc	cgagg	tctcc	gcccgtcc	tcggccctcc	8700

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/815,979

DATE: 04/06/2001

TIME: 10:34:36

Input Set : A:\416seq.001

Output Set: N:\CRF3\04062001\I815979.raw

217	cctcgttcct	ccctctcgcg	gggttcaagt	cgctcgta	cctccctcc	tccgttcctt		8760
218	catctctcg	gcaatggcg	cgcggagtt	cacggtggt	tgcgttcctcg	cctccgttc		8820
219	tcgccccggg	ctggccgtg	tccggctct	cctgcccac	ccccgttggc	gtgtcttct		8880
220	ctcgccggt	tcgccaactc	ctggcttcgc	cggagggtc	agggggcttc	ccgttcccc		8940
221	gacgttgcgc	ctcgctgtg	tgtgttggg	ggggggccgc	tgcggctcc	gcccggccgt		9000
222	gagccccctgc	cgcacccgc	ggtgtgcgt	ttcgcgcgc	ggtcagttgg	gcctggcggt		9060
223	tgtgtcgct	cggagcggt	tccgcctcg	ggccgctaga	cgcgggtgtc	gcccggctcc		9120
224	gacgggtggc	ctatccaggg	ctcgccccg	ccgaccccg	cctgcccgtc	ccgttggtgg		9180
225	tcgttgggt	ggggagtgaa	tggtgcattacc	ggtcattccc	tcccgcgtgg	tttactgttc		9240
226	tcgccccgt	cgcgttctc	tttccgccaa	cccccacgac	aaccacaccac	cctgtcttc		9300
227	cggccccgtg	cggcgtacgt	tccggctctc	ccgatgccga	ggggttcggg	atttgcgcg		9360
228	gggacggagg	ggagagcggt	taagagaggt	gtcgagagac	tgtcccgggg	cgacgctcggt		9420
229	gttggctttg	ccgcgtgcgt	gtgtcgccgg	acgggttttg	tcggaccccg	acgggggtcggt		9480
230	tccggccgca	tgcactctcc	cgttccgcgc	gagcgcgcgc	ccggctcacc	cccggtttgc		9540
231	cctcccgca	ggctctccgc	cgccgcgcgc	tcctcctct	ctctcgct	ctctgtcccc		9600
232	cctggtcctg	tcccacccccc	gacgctccgc	tcgcgttcc	ttacctgttt	gatcctgc		9660
233	ggtagcatat	gtttgtctca	aagattaagc	catgcgttc	taagtacgca	cggccgggtac		9720
234	agtgaaactg	cgaatggctc	attaaatcag	ttatggttcc	tttggtcgt	cgctctctc		9780
235	ctacttggat	aactgtggta	attctagagc	taatacatgc	cgacgggcgc	tgacccccc		9840
236	tcccgggggg	ggatgcgtgc	atttatcaga	tcaaaaacca	cccggtgagc	tccctcccg		9900
237	ctccggccgg	gggtcggggcg	ccggcgggtt	ggtgactcta	gataacctcg	ggccgatcgc		9960
238	acgcccccccg	tggccgcac	gacccattcg	aacgtctgc	ctatcaactt	tcatgtggtag		10020
239	tcgcccgtcc	taccatggtg	accacgggtg	acgggaaatc	agggttcgt	tccggagagg		10080
240	gagcctgaga	aacgcgtacc	acatccaagg	aaggcagcag	gcgcgcaaat	taccactcc		10140
241	cgacccgggg	aggttagtgac	aaaaataaac	aatacaggac	tcttcgagg	ccctgttaatt		10200
242	gaaatgagtc	cacttaaat	ccttaacga	ggatccattg	gagggcaagt	ctgtgcccag		10260
243	cagccgcgt	aattccagct	ccaatagcgt	atattaaagt	tgctgcagtt	aaaaagctcg		10320
244	tagttggatc	ttgggagcgg	gcggcgggtc	cggcgcgagg	cgagtcaccg	cccgccccgg		10380
245	ccccctgcct	ctcgccgc	cctcgatgt	cttagctgag	tgtcccgggg	ggcccgaagc		10440
246	gtttaacttt	aaaaaaattag	agtgttcaaa	gcagccccga	gccgccttga	taccgcagct		10500
247	aggaataatg	gaataggacc	gcgggtctat	tttgggttt	ttcggaaactg	agggcatgt		10560
248	taagagggac	ggccggggggc	attcgatttg	cgccgtctaga	ggtgaatattc	ttggaccggc		10620
249	gcaagacgga	ccagagcgaa	agcatttgc	aagaatgttt	tcattaatca	agaacgaaag		10680
250	tcggaggttc	gaagacgatc	agataccgtc	gtagttccga	ccataaacga	tgccgactgg		10740
251	cgtatgcggcg	gcgttattcc	catgaccgc	cgggcagctt	ccggaaacc	aaagtctttg		10800
252	gttccggggg	ggagtatgtt	tgcctaaagctg	aaacttaaag	gaattgacgg	aagggcacca		10860
253	ccaggagttg	gcctgcggct	taatttgcact	caacacggga	aacctcaccc	ggccggaca		10920
254	cgacaggat	tgacagattg	atagctctt	ctcgattccg	tgggtgggtt	tgcatggccg		10980
255	ttcttagtt	gtggagcgat	ttgtctggtt	aattccgata	acgaacgaga	ctctggcatg		11040
256	ctaacttagtt	acgcacccccc	cgagcgggtc	gcgtccccca	acttcttgc	gggacaagt		11100
257	gcgttcagcc	acccgagatt	gagcaataac	aggctgtga	tgccttgc	tgtccggggc		11160
258	tgcacgcgcg	ctacactgac	tggctcagcg	tgtgcctacc	ctgcgcggc	aggcgcgggt		11220
259	aaccgttga	acccattcg	tgatggggat	cgggattgc	aattattccc	catgaacgag		11280
260	gaattccca	taagtgcggg	tcataagctt	gcgttgatta	agtccctgc	ctttgtacac		11340
261	accccccgtc	gtactaccg	attggatgtt	ttagtgaggc	cctcgatcg	gccccggccgg		11400
262	gtcggccca	cggccctggc	ggagcgctga	gaagacggtc	gaacttgact	atctagagga		11460
263	agtaaaagtc	gtaacaagg	ttccgttagt	gaacctgcgg	aaggatcatt	aaacgggaga		11520
264	ctgtggagga	gcggccggcgt	gccccgtct	ccccgttgc	tgtgttc	cgccgggagg		11580
265	cgcgtgcgtc	ccgggtcccc	tcgccccgt	gtggagcgag	gtgtctggag	tgaggtgaga		11640

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/815,979

DATE: 04/06/2001

TIME: 10:34:37

Input Set : A:\416seq.001

Output Set: N:\CRF3\04062001\I815979.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date